

Simulation in Radiology

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Simulation-based training (SBT) has long been an important tool for students and trainees in multiple medical specialties given its usefulness in building cognitive and technical skills as well as improving team functional dynamics. Medical educators have recently recognized the need for SBT incorporation in the subspecialty service areas of radiology. Edited and contributed to by leaders of radiology simulation-based training at Louisiana State University School of Medicine, this book is the first of its kind to thoroughly cover such training and education. Concise yet comprehensive, chapters are organized into three sections focusing on key aspects of SBT in radiology, providing a blueprint for radiology educators, program directors, and administrators in designing and implementing an SBT program. The first section provides general considerations of using simulation in training; the second discusses educational principles and testing; and the third presents a summary review of the scientific literature and current work being done in SBT in radiology.

For more information on the LSUHSC Radiology Department simulation program, including simulation procedure videos, visit the LSUHSC Radiology website at http://www.medschool.lsuhsc.edu/radiology/

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Editorial Review

Review

"*Simulation-based training (SBT)* is an important Radiology educational resource often overlooked and or misunderstood and a welcome enhancement to any residency program, particularly in the current milieu of patient safety, radiation dose reduction and limited clinical resources. At our own institution, we have been training residents and fellows basic and advanced VIR and Neuroangiographic techniques with an Angio simulator for several years with much success. The authors comprehensively address not only the broad ranging current and future uses of simulators in Radiology, but explain the techniques, their implementation and the metrics used for accessing their value. *Simulation in Radiology* is an essential read for those who wish to incorporate these clinically relevant tools into their teaching curriculum!" -- David P. Chason, M.D., Chief of Neuroradiology, Parkland Health & Hospital System

"In summary, I think*Simulation in Radiology* could provide a valuable resource for the specialty of radiology and more broadly for medical simulation enthusiasts. It easily has potential to become the "go to" book for the medical educators in the specialty." -- Viren N. Naik MD, MEd, FRCPC

"The editors should be congratulated for compiling a book which should be of interest to those organizing and delivering radiology training, commissioners and assessors of training and those writing training curricula. Trainees too will find examples of how simulation training could help them achieve specific educational objectives which might otherwise be difficult to fulfill." -- David Kessel, Consultant Vascular Radiologist, Leeds Teaching Hospitals

"This book is well written and easy to read. The authors have clearly surpassed their goal of creating "a reference for individuals interested in incorporating simulation based training into any subspecialty of radiology." -- *Radiology*

"This book would be useful for radiologist educators looking to increase the rigor of their training programs. Radiology practice and hospital administrators who want to make sure their radiologist staff stay safely trained on the most up-to-date techniques may be interested in implementing some of these systems. Radiologists who do not perform procedures often might benefit from simulation review training before performing the procedure on a patient. I found the chapters to be thorough and convincing. Literature cited appeared appropriate, and the text is well written. Images are appropriate to the topic. Overall, this book is a thorough treatise on this important educational topic." -- *American Journal of Neuroradiology Blog*

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Users Review

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